

Amendments to the Drawings:

The attached sheets of drawings include changes to Figures 5-7, 9, 10, and 12-14.

Attachment: Replacement Sheets

 Annotated Sheets Showing Changes

REMARKS:

Entry of the Amendment made herein prior to examination is requested. Minor non-substantive changes are made to the both the specification and drawings. The term "half value width" was changed to --FWHM (TILT)--. "Surface state" was changed to --surface morphology--. "Seconds" was changed to --arcseconds--. In Figure 12, "ZrB₂ Board" was changed to --ZrB₂ Substrate--. No new matter is added. Claims 1-32 are pending in the application. Examination and consideration of the application, as amended, are respectfully requested.

If for any reason the Examiner finds the application other than in condition for allowance, the Examiner is requested to call the undersigned attorney at the Los Angeles, California telephone number (213) 337-6810 to discuss the steps necessary for placing the application in condition for allowance.

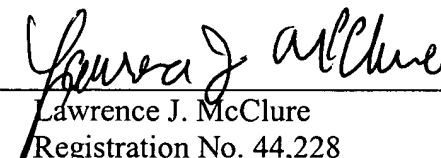
If there are any fees due in connection with the filing of this response, please charge the fees to our Deposit Account No. 50-1314.

Respectfully submitted,

HOGAN & HARTSON L.L.P.

Date: March 21, 2005

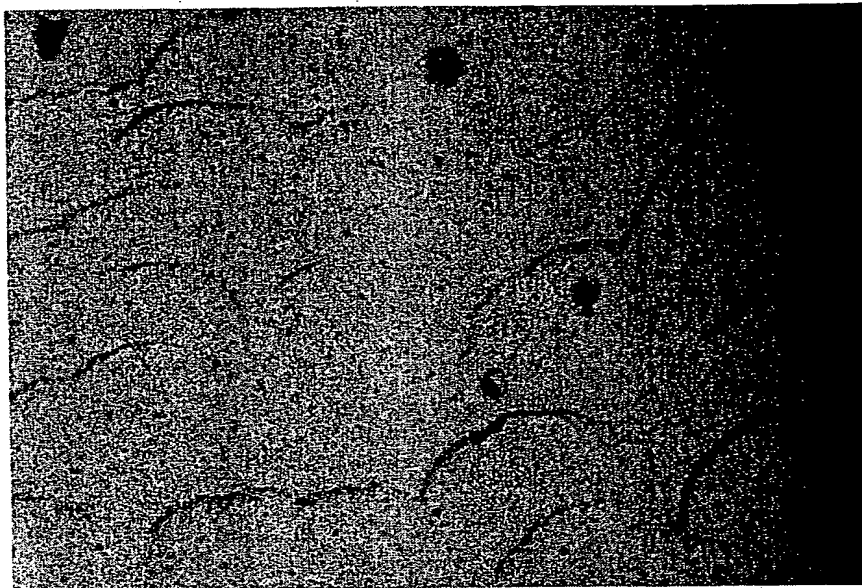
By: _____


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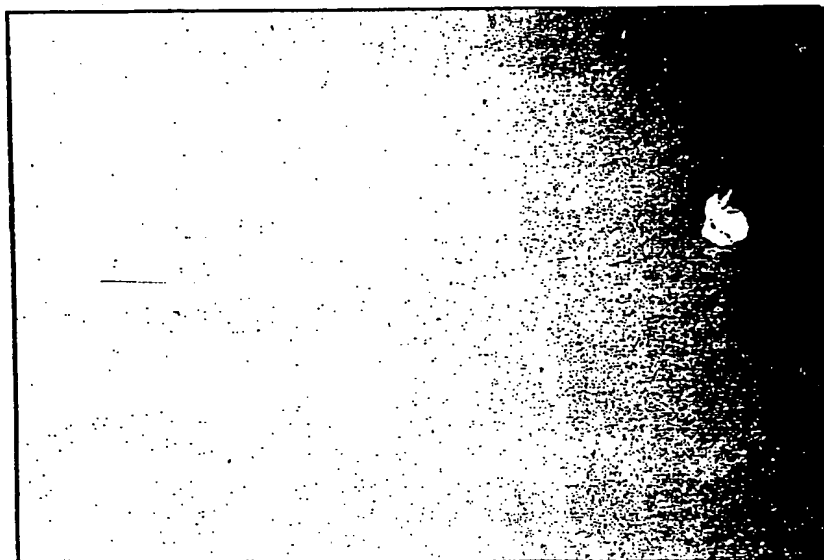


FIG. 5



SURFACE ~~STATE~~ B ($250\mu\text{m} \times 190\mu\text{m}$)
MORPHOLOGY

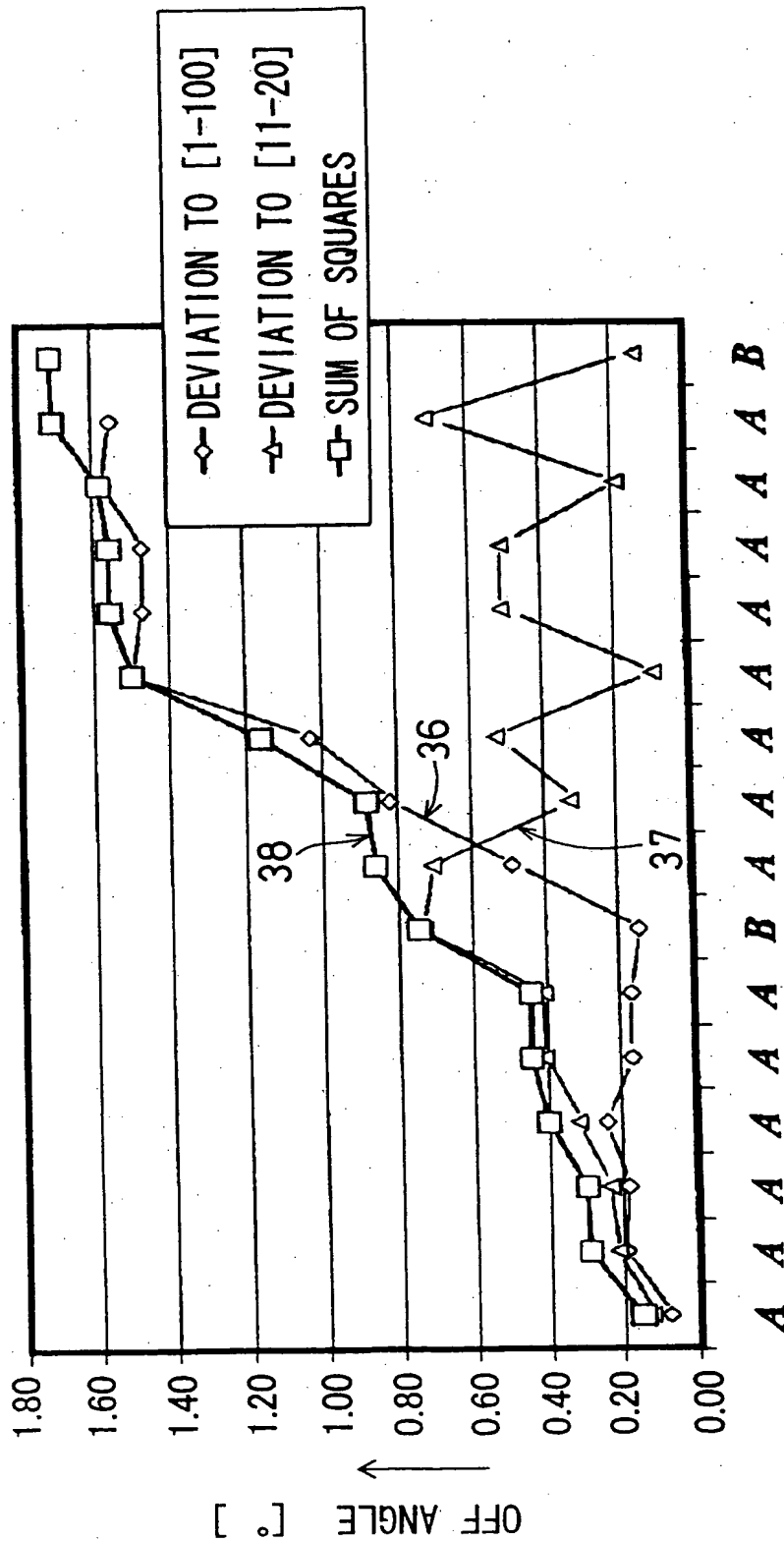
FIG. 6



SURFACE ~~STATE~~ A ($250\mu\text{m} \times 190\mu\text{m}$)
MORPHOLOGY

FIG. 7

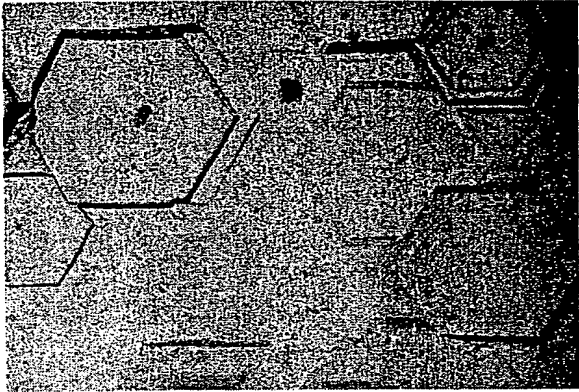
SUBSTRATE
OFF ANGLE BETWEEN NORMAL LINE ON SURFACE OF ZrB_2 BOARD-
AND [0001] AXIS, AND SURFACE MORPHOLOGY



SURFACE MORPHOLOGY

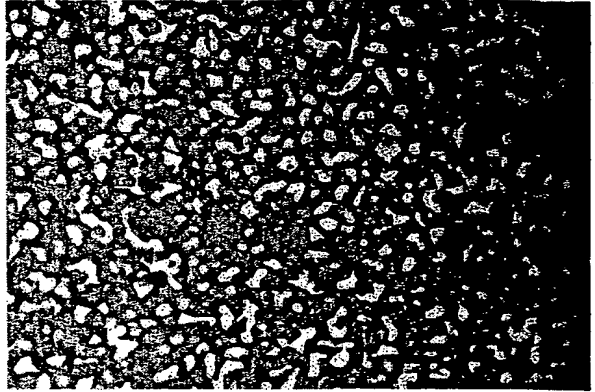
FIG. 9

(5)

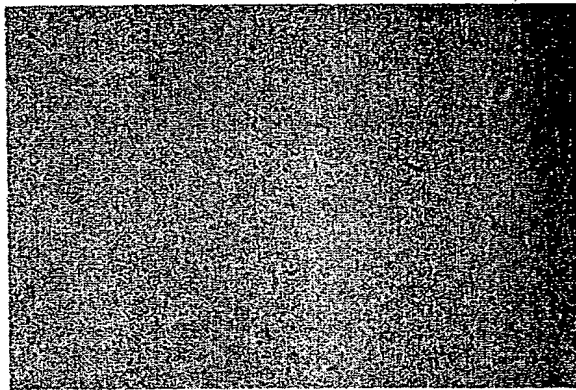


1100°C OR MORE 0.25 873 ~~SECONDS~~
ARCSECONDS 400°C 0.8 —

(1)

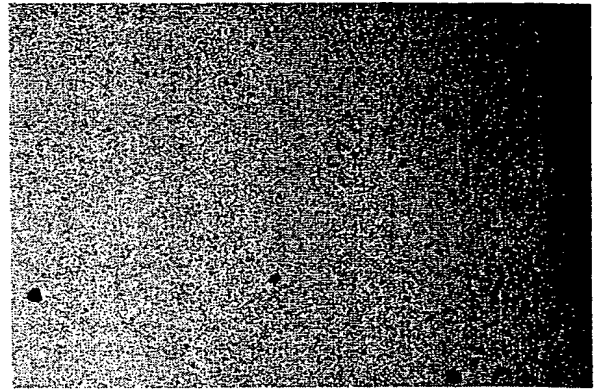


(2)



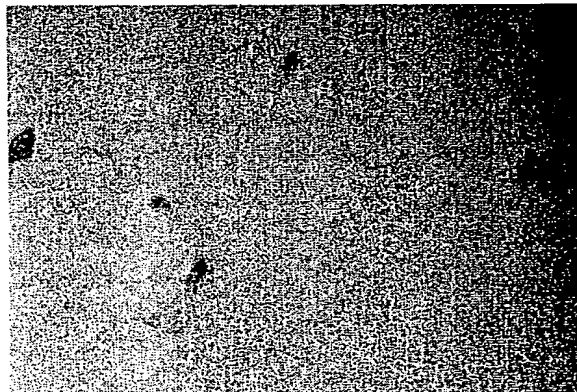
725°C 0.6 760 ~~SECONDS~~
ARCSECONDS

(3)



850°C 0.5 596 ~~SECONDS~~
ARCSECONDS

(4)



925°C 0.4 —

FIG. 10

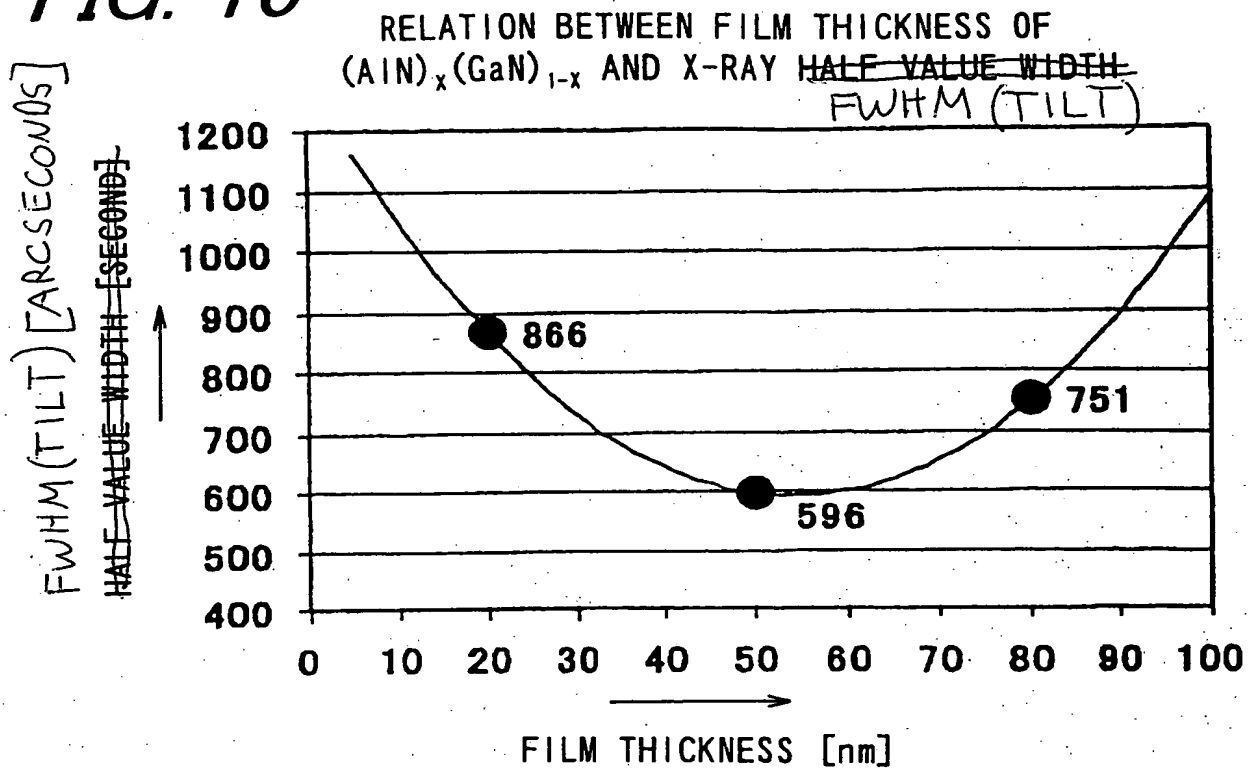


FIG. 11

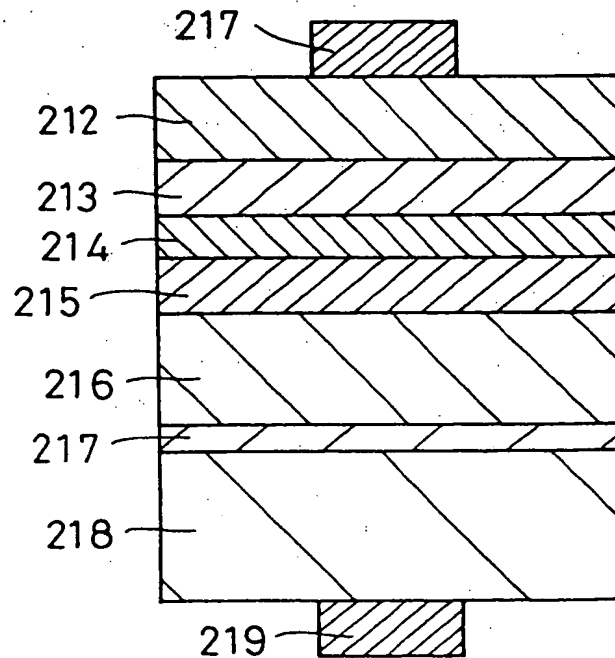
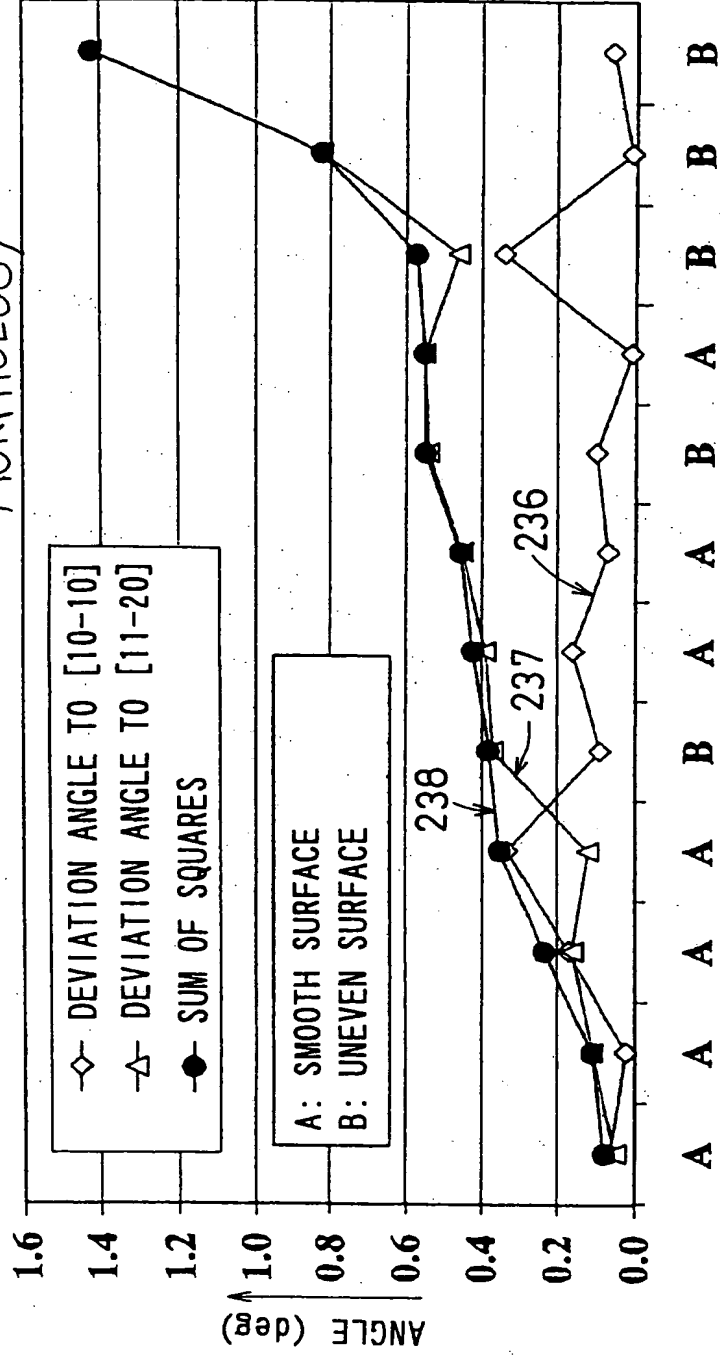


FIG. 12

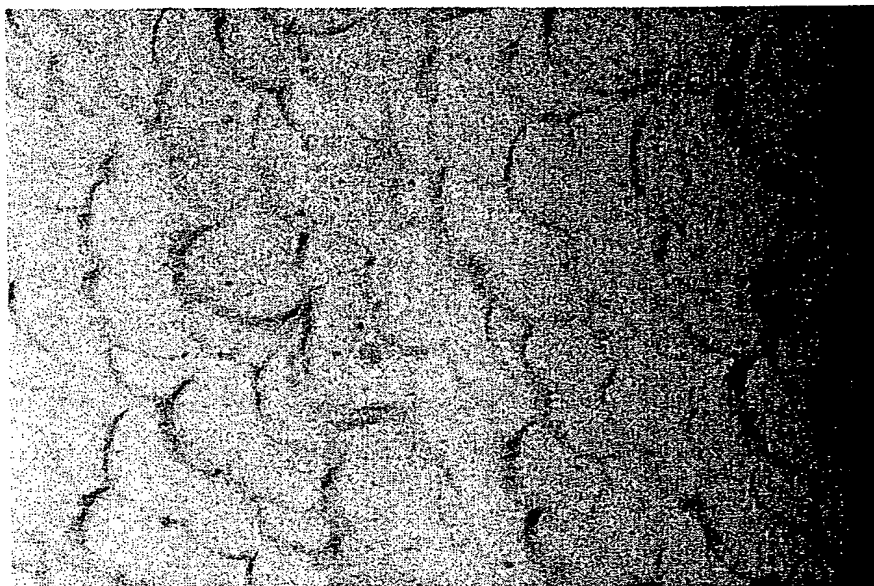
SUBSTRATE

RELATION BETWEEN OFF ANGLE OF NORMAL LINE OF SURFACE OF ZrB_2 BOARD-
 FROM [0001] CRYSTAL AXIS AND SURFACE STATE OF GaN EPITAXY FILM
 MORPHOLOGY



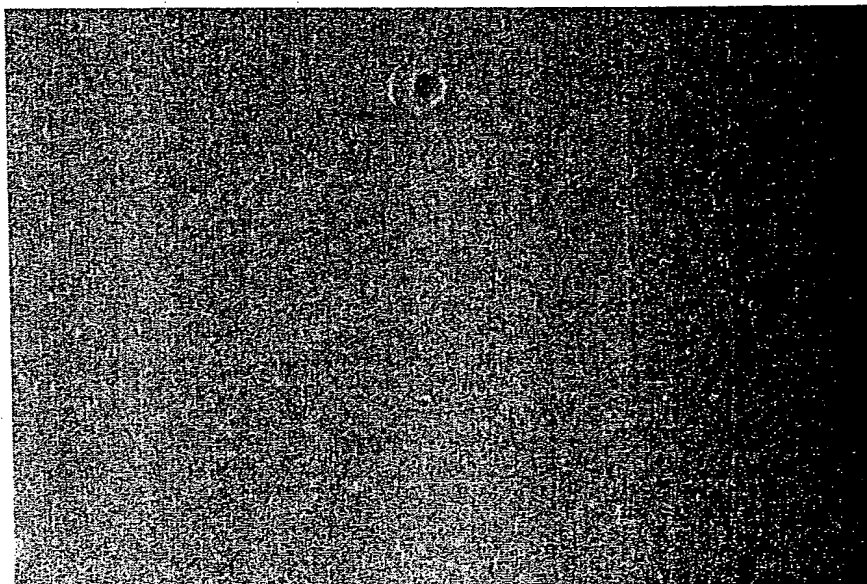
SURFACE STATE OF GaN EPITAXY FILM
 MORPHOLOGY

FIG. 13



SURFACE ~~STATE~~ B ($250\ \mu\text{m} \times 190\ \mu\text{m}$)
MORPHOLOGY

FIG. 14



SURFACE ~~STATE~~ A ($250\ \mu\text{m} \times 190\ \mu\text{m}$)
MORPHOLOGY

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